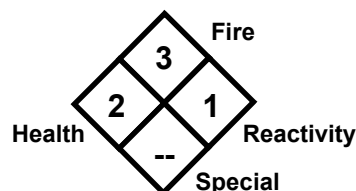


MATERIAL SAFETY DATA SHEET



Issue Date: 1/05

Supersedes: 5/04

NFPA 704 DESIGNATION HAZARD RATING
 4 = Extreme 3 = High 2 = Moderate
 1 = Slight 0 = Insignificant

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTITY: **GREASE SHIELD B™**

PRODUCT USE: **WATERPROOFING COATING**

MANUFACTURED BY: **Sealoflex™ Inc.** **Chemtrec**
2520 Oscar Johnson Drive **800-424-9300**
Charleston, SC 29405
PHONE: 843 554-6466 FAX: 843 554-6458

2. COMPOSITION & INFORMATION ON INGREDIENTS

Component	% weight	CAS #	SARA Title III Section 313	RCRA	CARCINOGENICITY (As per 29CFR 1910.1200)	State Right-To-Know		
						PA	NJ	MA
Aliphatic Polyisocyanate	47.0 – 55.0	Proprietary	Not Listed	No	No	No	No	No
Butyl Acetate	30 – 36	123-86-4	Not Listed	Yes	No	Yes	Yes	Yes
Glycol Ether Acetate	13.0 – 17.0	112-07-2	Yes	No	No	Yes	Yes	Yes

All components are listed in the TSCA inventory.

3. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Clear Liquid	Bulk Density	No Data
Odor	Ester	Vapor Pressure	<13 mm/Hg @ 68°F
Odor Threshold	Not Applicable	Vapor Density	Heavier than Air
Molecular Formula	No Data	Evaporation Rate (n-Butyl Acetate=1)	<1.0
Molecular Weight	No Data	VOC content	45 - 53%
Boiling Point	> 250°F	% Volatiles	45 - 53%
Freezing Point	Not Applicable	Solubility in Water	Not Soluble
Specific Gravity	1.04	Viscosity (cps)	<200
Density (lbs/gal)	8.7	pH	Not Applicable

4. STABILITY & REACTIVITY

GENERAL: **This product is stable under normal conditions.**

CONDITIONS TO AVOID: **Sources of ignition.**

INCOMPATIBLE MATERIAL: **Avoid strong oxidizing agents.**

HAZARDOUS POLYMERIZATION: **Will not occur.**

HAZARDOUS DECOMPOSITION PRODUCTS: **May form oxides of carbon, various hydrocarbons.**

5. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: **THIS IS A FLAMMABLE PRODUCT**
 SARA 311/312 Hazard Class: Acute, Fire

EYE CONTACT: **Risk of serious damage to eyes. May cause permanent damage if eye is not immediately irrigated. Symptoms include stinging, tearing, and redness.**

SKIN CONTACT: **Repeated or prolonged exposure may induce skin irritation. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.**

INGESTION: **Ingestion may cause moderate to severe irritation or chemical burns to the gastrointestinal tract.**

INHALATION: **Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.**

6. FIRST AID MEASURES

EYE CONTACT: **Immediately flush eyes gently with large amounts of water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.**

SKIN CONTACT: **Immediately flush skin with plenty of clean running water while removing contaminated clothing. Continue for at least 15 minutes. If symptoms persist, seek medical attention. Launder clothing before reuse.**

INHALATION: **If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet and seek medical attention.**

INGESTION: **DO NOT induce vomiting. Seek immediate medical attention. Place individual on the left side with the head down. Refer to medical personnel or take direction from a physician or poison control center. Never give anything by mouth to an unconscious person.**

7. FIRE FIGHTING MEASURES

GENERAL: **Increased temperature may increase pressure in closed container resulting in rupture, spreading fire and increasing risk of injury.**

FLASHPOINT AND METHOD:	81°F (TCC)	
FLAMMABLE LIMITS BUTYL ACETATE	Lower: 3%	Upper: 10.4%
AUTOIGNITION TEMPERATURE:	765°F (407°C)	
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon, various hydrocarbons.	
EXTINGUISHING MEDIA:	Foam, CO ₂ , dry chemical	
FIRE FIGHTING INSTRUCTIONS:	Wear self-contained breathing apparatus with full facepiece and protective clothing.	

UNUSUAL FIRE AND EXPLOSION HAZARDS: **Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:	ACGIH	OSHA
BUTYL ACETATE	150ppm TWA, 200ppm STEL	150ppm TWA, 200ppm STEL

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: **If the workplace exposure limit(s) is exceeded, a NIOSH/MSHA approved respirator is advised in the absence of adequate environmental control.**

EYES: **Chemical splash goggles.**

SKIN: **Wear resistant gloves, impervious clothing and boots.**

OTHER: **Provide sufficient general mechanical and/or local exhaust ventilation to maintain exposure below guidelines.**

9. HANDLING AND STORAGE

STORAGE TEMPERATURE: 40°F - 90°F (4°C - 32°C)

STORAGE: **Keep container tightly closed. Store in a cool well ventilated area away from heat, sources of ignition and strong oxidizing agents.**

HANDLING: **Open in a well ventilated area. Avoid breathing vapors. Prevent skin and eye contact. Empty containers should be disposed of according to local regulations.**

10. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: **Eliminate all ignition sources (flares, flames, pilot lights, electrical sparks). Wearing recommended protective clothing, dike spill using soil, sand or compatible commercial absorbent. Pick up bulk of product using pumps or vacuum truck or absorb product in sand or commercial absorbent. Place in chemical waste containers for recovery or disposal.**

LARGE SPILL: **Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from the spill area until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run-off occurs, notify authorities as required. Pump or vacuum-transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent soil and other material to containers for disposal. Ensure that all local, State and Federal regulations are complied with for release reporting, recovery and disposal of material and containers.**

11. DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 CLASSIFICATION: Exhibits the characteristic of ignitability

U.S. EPA WASTE NUMBER/DESCRIPTION: D001

DISPOSAL METHOD: **Incinerate in an approved facility. Do not incinerate closed containers. Dilute with clean, low viscosity fuel. Untreated material should not be released to the environment.**

CONTAINER DISPOSAL: **Empty container retains potentially hazardous residue. Observe all hazard precautions. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.**

12. TRANSPORTATION INFORMATION

DOT INFORMATION – 49 CFR 172.101

DESCRIPTION: **Flammable Liquid, N.O.S., 3, UN1993, II**

CONTAINER MODE: **Four-ounce, one pint and one-quart metal cans.**

NOS COMPONENT: **Butyl Acetate**

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